

## **ABSTRACT**

A projection device having single light valve has a light source, a projection lens, an imaging unit and a beam breaker. Moreover, the imaging unit has a color production device and a valve. When the beam provided by light source propagates to the color production device, the color production device converts the beam into several different color beams in an order. Thereafter, the beams propagate to the beam breaker, and the beam breaker breaks the beam propagating through within a definite time according to the states of imaging unit. Afterwards, the beams that are not broken are converted into images by the light valve in order, and projected on a screen by projection lens. The beam breaker module can enable the projection device having single light to have several situation modes, and maintain the imaging contrast.